

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **PENN-0797**

Inventors: **Ginsberg et al.**

Serial No.: **Not yet assigned**

Filing Date: **January 16, 2002**

Examiner: **Not yet assigned**

Group Art Unit: **Not yet assigned**

Title: **Diagnostic Methods for Alzheimer's  
Disease by Detection of Multiple mRNAs**

"Express Mail" Label No. **EV044354262US**

Date of Deposit January 16, 2002

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By Jane Massey Licata  
Typed Name: **Jane Massey Licata, Reg. No. 32,257**

Assistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

**Preliminary Amendment**

Please enter the following amendment and remarks into the  
record.

**In the Claims:**

Please cancel claims 2 and 4.

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3. (amended) A method of diagnosing Alzheimer's disease in a patient suspected of having Alzheimer's disease comprising:

- (a) isolating single senile plaques in brain tissue by immunocytochemical techniques;
- (b) identifying the presence of RNA by contacting said senile plaque with a fluorescent dye capable of intercalating selectively into nucleic acids;
- (c) amplifying the identified RNA; and
- (d) determining whether the amplified RNA product hybridizes to any known cDNAs for proteins involved in the pathogenesis of Alzheimer's disease.

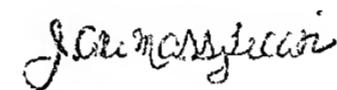
#### **REMARKS**

This application is a continuation of U.S. Patent Application No. 09/183,636 filed October 30, 1998 which claims the benefit of U.S. Provisional Application No. 60/064,032 filed November 3, 1997. Claims 2 and 4 have been canceled. Claim 3 has been amended to make it independent and to incorporate the language of claim 2, as allowed in the parent application. No new matter has been added. Entry of this amendment is respectfully requested.

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Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "**VERSION WITH MARKINGS TO SHOW CHANGES MADE.**"

Respectfully submitted,



Jane Massey Licata  
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Date: **January 16, 2002**

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the claims:**

Claims 2 and 4 have been canceled.

Claim 3 has been amended as follows:

3. (amended) A method of diagnosing Alzheimer's disease in a patient suspected of having Alzheimer's disease comprising:  
~~detecting the presence of an RNA identified by the method of claim 2 in the brain of the patient~~  
(a) isolating single senile plaques in brain tissue by immunocytochemical techniques;  
(b) identifying the presence of RNA by contacting said senile plaque with a fluorescent dye capable of intercalating selectively into nucleic acids;  
(c) amplifying the identified RNA; and  
(d) determining whether the amplified RNA product hybridizes to any known cDNAs for proteins involved in the pathogenesis of Alzheimer's disease.

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By Jane Massey Licata  
Typed Name: Jane Massey Licata, Reg. No. 32,257

BOX SEQUENCE  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**Request under 37 C.F.R. § 1.821(e)**

The paper copy of the Sequence Listing in this application is identical to the computer readable copy of the Sequence Listing filed in application Serial No. 09/183,636 filed October 30, 1998. In accordance with 37 C.F.R. § 1.821(e), please use the only computer readable form filed in that application as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in the application number and filing date for the instant application.

A paper copy of the Sequence Listing is included in the originally-filed specification of the instant application.

Respectfully submitted,

*Jane Massey Licata*

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Date: January 16, 2002

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